Amendments to the Claims

Please amend the claims according to the following listing of the claims.

1. – 14. (canceled)

15. (Currently Amended) A process for preparing a nano-particulate preparation of a pharmaceutical or cosmetic active ingredient with a core/shell structure, in which an X-ray amorphous active ingredient is present in the core together with one or more copolymers of acrylates, methacrylates, methacrylic acid or acrylic acid, and the shell consists of a stabilizing coating matrix,

the process comprising mixing an active ingredient/polymer solution or precipitate with an aqueous solution of a polymeric coating material continuously in a mixing chamber by spraying the two components as a compact jet into a mixing chamber,

wherein said polymeric coating material is selected from the group consisting of gelatin, chitosan, alginates, casein, caseinates, and homopolymers of acrylic acid, ~~and~~

wherein the particle size of the core/shell structure is in the range of 0.05 to 0.9 μm, and

wherein the core of the preparation has at least two separate phases.

16. (Currently Amended) The process as claimed in claim 15~~, in which the core of the preparation has at least two separate phases~~, wherein one phase of the core consists ~~consisting~~ of amorphous particles of the active ingredient, and the other phase ~~being~~ comprises a molecular dispersion of the active ingredient in a polymer matrix.

17. (Currently Amended) The process as claimed in claim 15~~, in which the core of the preparation has at least two separate phases~~, wherein one phase of the core consists ~~consisting~~ of amorphous active ingredient, and the other phase ~~being~~ comprises a polymer matrix free of active ingredient.

18. (Currently Amended) The process as claimed in claim 15, wherein the core polymers are ~~polymers which are~~ suitable for pharmaceutical and cosmetic applications and ~~which~~ are insoluble or only partly soluble in water.

19. (Currently Amended) ~~The process as claimed in claim 15, in which~~ A process for preparing a nano-particulate preparation of a pharmaceutical or cosmetic active ingredient with a core/shell structure, in which an X-ray amorphous active ingredient is present in the core together with one or more copolymers of acrylates, methacrylates, methacrylic acid or acrylic acid, and the shell consists of a stabilizing coating matrix,

the process comprising mixing an active ingredient/polymer solution or precipitate with an aqueous solution of a polymeric coating material continuously in a mixing chamber by spraying the two components as a compact jet into a mixing chamber,

wherein said polymeric coating material is selected from the group consisting of gelatin, chitosan, alginates, casein, caseinates, and homopolymers of acrylic acid,

wherein the particle size of the core/shell structure is in the range of 0.05 to 0.9 µm, and

wherein the coating matrix of the nanoparticulate preparation comprises polymeric peptides.

20. (Currently Amended) ~~The process as claimed in claim 15, in which~~ A process for preparing a nano-particulate preparation of a pharmaceutical or cosmetic active ingredient with a core/shell structure, in which an X-ray amorphous active ingredient is present in the core together with one or more copolymers of acrylates, methacrylates, methacrylic acid or acrylic acid, and the shell consists of a stabilizing coating matrix,

the process comprising mixing an active ingredient/polymer solution or precipitate with an aqueous solution of a polymeric coating material continuously in a mixing chamber by spraying the two components as a compact jet into a mixing chamber,

wherein said polymeric coating material is selected from the group consisting of gelatin, chitosan, alginates, casein, caseinates, and homopolymers of acrylic acid,

wherein the particle size of the core/shell structure is in the range of 0.05 to 0.9 µm, and

wherein the preparation comprises gelatin as coating polymer.

21. (Currently Amended) ~~The process as claimed in claim 15, in which~~ A process for preparing a nano-particulate preparation of a pharmaceutical or cosmetic active ingredient with a core/shell structure, in which an X-ray amorphous active ingredient is present in the core together with one or more copolymers of acrylates, methacrylates, methacrylic acid or acrylic acid, and the shell consists of a stabilizing coating matrix,

the process comprising mixing an active ingredient/polymer solution or precipitate with an aqueous solution of a polymeric coating material continuously in a mixing chamber by spraying the two components as a compact jet into a mixing chamber,

wherein said polymeric coating material is selected from the group consisting of gelatin, chitosan, alginates, casein, caseinates, and homopolymers of acrylic acid,

wherein the particle size of the core/shell structure is in the range of 0.05 to 0.9 µm, and

wherein the preparation comprises casein or sodium caseinate as coating matrix.

22. (canceled)

23. (Currently Amended) The process as claimed in claim 15, ~~in which~~ wherein the ~~said~~ process produces a hydrosol of the said nanoparticulate preparation.

24. (Currently Amended) The process as claimed in claim 23, ~~in which~~ wherein the sizes of the hydrosol nanoparticles increase by less than 50% in the first hour after preparation of the hydrosol.

25. (Currently Amended) [[A]]The process for producing preparations as claimed in claim 15, ~~which comprises~~ further comprising

preparing a solution of the active ingredient in an organic solvent which is at least 10% by weight miscible in water,

mixing this solution with the core polymer or a solution of the core polymer in an organic solvent, and

bringing the resulting mixture into contact with an aqueous solution of the coating polymer.

26. (Currently Amended) A nanoparticulate preparation of a pharmaceutical or cosmetic active ingredient with a core/shell structure,

wherein ~~in which~~ an X-ray amorphous active ingredient is present in the core together with one or more polymers selected from the group consisting of copolymers of acrylates, methacrylates, methacrylic acid and acrylic acid, [[and]]

wherein the shell consists of a stabilizing coating matrix,

wherein said polymeric coating material is selected from the group consisting of gelatin, chitosan, alginates, casein, caseinates, and homopolymers of acrylic acid,

wherein the particle size of the core/shell structure being in the range of 0.05 to 0.9 µm, [[and]]

wherein the core of the preparation has at least two separate phases, and

wherein the ~~which~~ nanoparticulate preparation is obtained by mixing an active ingredient/core polymer solution or precipitate with the an aqueous solution of the polymeric coating material continuously in a mixing chamber.

27. (Currently Amended) The preparation of claim 26, [[that]]wherein on redissolving, the preparation has the same particle size distribution, with a variation of 20%, as the initial preparation.